APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date	ate of filing in State Engineer's Office	DCT 14 1983	
Retr		NOV 28 1983	
Corr	orrected application filed		
Мар	ap filed	DEC 14 1983 under 47321	
	The applicant Trans-Pacific Geot	hermal, Inc.	
	1419 Broadway Street and No. or P.O. Box No.	of Oakland City or Town	
		ereby make application for permission to appropriate the public	
		. (If applicant is a corporation, give date and place of incorpora-	
tion; cor and	on; if a copartnership or association, give names of comprised of Trans-Pacific Geotherma and SR Geothermal, Inc., incorporate	f members.) TGS Associates is a partnership nl, Inc., incorporated in Nevada 11/16/81 ad in Delaware 9/23/81.	
1.		deep geothermal reservoir - 10,000 feet Name of stream, lake, spring, underground or other source	
2.	The amount of water applied for isfiv	One second-foot equals 448,83 gals. per min.	
	(a) If stored in reservoir give number of acre-fe	eet	
3.	The water to be used for industrial purposes Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.		
4. If use is for:			
	(a) Irrigation, state number of acres to be irrigation	ıted	
	(b) Stockwater, state number and kinds of anim	nals to be watered	
	(c) Other use (describe fully under "No. 12. Re	marks" industrial	
	(d) Power:		
	, ,	no external pumps will be used	
	(2) Point of return of water to stream	reinjection or surface disposal; will depend	
5.		on water quality. he following point Located in SW4 of NE4, Sec Describe as being within a 40-acre subdivision of public	
		Describe as being within a 40-acre subdivision of public from whence the SW corner of Sec 33 bears S45° unsurveyed land, it should be so stated.	
		unsurveyed land, it should be so stated.	
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0.	Describe by lega	N, R37E, MDB&M subdivision. If on unsurveyed land, it should be so stated.	
7.	. Use will begin about January 1 Month and Day	and end about December 31, of each year.	
		ovisions of NRS 535.010 you may be required to submit plans and The proposed works would be the completed geo-	
	specifications of your diversion or storage work geothermal reservoir through the cased wellbore to the wellhead for	s.) thermal well. Water would be diverted from the State manner in which water is to be diverted, i.e. diversion structure, ditches and or the initial beneficial use which is well flow	
	flumes, drilled well with pump and motor, etc.testing t	to evaluate the geothermal reservoir. The wellbor of 6300 feet. hundred thousand dollars (\$1,500,000)	

10.	Estimated time required to construct works 60-90 days	escribe works.		
	If well completed, d	escribe works.		
11.	Estimated time required to complete the application of water to beneficial use three years (3)			
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual			
	consumptive use. The industrial use of appropriated water, consumptive use.	onsequent to this appli- effluent from wellhead,		
	then through surface pipeline, to electrical generating	plant. Additional		
	economic utilization of the geothermal energy may be aff	ected subsequent to or		
	s/Walter Turnbu	ion: 322 ac/ft per year. ill , Secretary-Treasurer		
	1419 Broadway	, secretary-freasurer		
Con	npared js/se js/se Oakland, CA 94	1612		
Prot	ested	***************************************		
	APPROVAL OF STATE ENGINEE	TD:		
	This is to certify that I have examined the foregoing application, and do hereb			
amo fin pla rea mai be the a to con hea geo iss obt inj geo The	This permit is issued subject to existing rights. It is sunt of geothermal fluid herein granted is only a temporary all right obtained under this permit will be dependent upor ced to beneficial use. It is also understood that this risonable decrease of fluid pressure and heat. The well shantained to prevent any waste of the geothermal fluid. Accept of discharge of the production well and the amount of injection well to determine the total amount of fluid diveneficial use. The production and injection well are to be comented from the surface to protect fresh water zones. This permit is addition that only geothermal fluids are to be diverted and the ting purposes and fresh, cold water aquifers are not to be othermal fluids are to be returned to the source via the internal fluids are to be returned to the requirements that ain other permits from State, Federal and local agencies. ection well and/or other analyses of the system used for rethermal fluids to the source must be submitted together with the sum of the sum of the source of the source of the system used for rethermal fluids to the source must be submitted together with amount of water to be appropriated shall be limited to the amount which can to exceed. 5.0	y allowance and that the the amount actually ight must allow for a all be equipped and curate measurements must fluid injected into verted and consumed for om the producing levels issued subject to the used beneficially for e diverted. The used njection well. The the permit holder A detailed log on the returning the used ith the Proof of Completion be applied to beneficial use, and		
	k must be prosecuted with reasonable diligence and be completed on or before			
	of of completion of work shall be filed before			
	olication of water to beneficial use shall be made on or before			
Pro	of of the application of water to beneficial use shall be filed on or before	December 21, 1992		
Map	o in support of proof of beneficial use shall be filed on or before			
Com	pletion of work filed	PETER G. MORROS. ereunto set my hand and the seal of		
Proc	of of beneficial use filed	of November ,		
Cult	ural map filed			
Certi	ificate NoIssued	H. Morros		
COLUMN TO SE	218 (Rev.)	State Engineer		

11785 5.0 Cert 8/9/00

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(PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3,620 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The total combined consumptive duty of geothermal fluid under Permits 36931, 41892, 41914, 41920, 41923, 41929, 43050, 43051, 43052, 43557, 46951, 47142, 47322, 47323, 48932, 48933, 48934, 48935, 49572, 49573, 49574, 49644, 49802, 49803 and 49806 shall not exceed 10,704 acre-feet annually.